



## Custom Dynamics® Luggage Rack LED Light Bar Installation Instructions

We thank you for purchasing the Custom Dynamics® Luggage Rack LED Light Bar. Our products utilize the latest technology and high quality components to ensure you the most reliable service. We offer one of the best warranty programs in the industry and we back our products with excellent customer support, if you have questions before or during installation of this product please call Custom Dynamics® at 1(800) 382-1388.

**Part Number:** CD-LR-05-R CD-LR-05-S

### Package Contents:

- Luggage Rack LED Light Bar (1)
- Luggage Rack Adapter Harness (1)
- Allen Head Bolt with Washer (2)
- Male JAE Connector (1)
- Nylon Wire Guide (1)
- Wire Clips (4)
- Cable Ties (4)
- Foam Mounting Pads (2)
- Instructions (1)



**Fitment:** 2014-2024 Harley-Davidson® Ultra Limited (FLHTK), 2014-2023 Street Glide (FLHX), Street Glide Special (FLHXS), 2015-2023 Road Glide (FLTRX), Road Glide Special (FLTRXS), 2017-2025 Road King Special (FLHRXS), 2014-2022 Road King (FLHR), 2022-2023 Street Glide ST (FLHXST), Road Glide ST (FLTRXST) & CVO™ Road Glide Limited (FLTRKSE), 2020-2024 Road Glide Limited (FLTRK), 2015-2022 CVO™ Street Glide (FLHXSE), 2018-2022 CVO™ Road Glide (FLTRXSE), 2019-2022 Electra Glide Standard (FLHT), 2014-2019 Electra Glide Ultra Classic (FLHTCU), 2015-2016 Ultra Classic Lo (FLHTCUL) & CVO™ Road Glide Ultra (FLTRUSE), 2016-2019 Road Glide Ultra (FLTRU), 2015-2018 Ultra Limited Lo (FLHTKL), 2014-2021 CVO™ Limited (FLHTKSE) and 2014 CVO™ Road King (FLHRSE).

**Requires Harley-Davidson® Air Wing Detachable Luggage Rack (P/N 54283-09A and 50300008A) or Adjustable Two-Up Luggage Rack (P/N 50300044B or 50300076B).**

### Installation:

1. Remove motorcycle seat and disconnect the negative battery cable from the battery. Consult your owners manual if unsure of this process.
2. Remove the luggage rack and place it upside down on a clean work surface to prevent scratches or damage to the luggage rack.
3. On the left side of the bottom rear rail, remove the black rubber plug from the hole. Shown in **Figure 1**.
4. Insert loop end of the supplied Nylon Wire Guide through the forward hole in the rail and out through the rear hole. Allow the straight end to remain outside the forward hole. Shown in **Figure 2**.

## ⚠ ATTENTION ⚠

Please read all Information below before Installation

**Warning:** Disconnect negative battery cable from battery; refer to owner's manual. Failure do to so may result in electrical shock, injury, or fire. Secure negative battery cable away from positive side of battery and all other positive voltage sources on motorcycle.

**Important:** Motorcycle should be secured on a level surface for installation.

**Important:** This product is designed to be used specifically with the Harley-Davidson® H-D® Detachable™ Luggage Rack P/N 54283-09A and 50300008A and Adjustable Two-Up Luggage Rack P/N 50300044B or 50300076B.

**Note:** Do NOT use thread locker such as Loc-Tite™ with this product. It will weaken the plastic at the screw holes causing cracks and will void the warranty.



Questions? Email: [info@CustomDynamics.com](mailto:info@CustomDynamics.com) or Call us at: 1 (800) 382-1388 M-TH 8:30AM-5:30PM / FR 9:30AM-5:30PM EST

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### Installation Continued:

5. Loop approximately 2" of the Luggage Rack LED Light Bar wires through the closed end of the Nylon Guide Wire. Fold wires to secure around the Nylon Guide Wire to enable threading the wires through the rack tubing. Shown in **Figure 3**.
6. Carefully pull the straight end of the Nylon Guide Wire to draw the Luggage Rack LED Light Bar wires through the rail and out the forward hole. Detach the Luggage Rack LED Light Bar wires from the Nylon Guide Wire after the wires have been pulled through the front hole. Shown in **Figure 4**.
7. Install the 2 foam pads on to the top surface of the Luggage Rack LED Light Bar. Shown in **Figure 5**.
8. Align the Luggage Rack LED Light Bar to the underside of the Air Wing Luggage Rack rear crossbar. Shown in **Figure 6**.
9. Using a 9/64 Allen wrench, secure Luggage Rack LED Light Bar to the Air Wing Luggage Rack using the supplied Allen Head Bolts and Washers.
10. Locate the factory rear lighting wire harness connector located under the seat.
11. Plug in the included Adapter Harness to the rear lighting wiring harness. **Note: If installing this product with a Magic Strobes™ Brake Light Flasher, the provided Adapter Harness should be plugged in down stream of the Magic Strobes™ module to enable brake flashing on the Luggage Rack LED Light Bar.**
12. Route the Luggage Rack LED Light Bar wires to the female JAE connector from the Adapter Harness. Secure wires with supplied Wire Clips.
13. Align the provided Male JAE Connector with the female plug (**do not plug in completely**).
14. Match up color of the pre-pinned wires from the Luggage Rack LED Light Bar with the matching color wires from the female JAE connector. Insert each pinned wire into the corresponding Male JAE Connector port. Pins should snap in place and not pull back out of male connector when installed correctly. Pins will only snap into the connector one way, try rotating the pin 180 degrees if pins will not snap into place.
15. Use supplied Cable Ties to secure wires from being cut, frayed, or pinched.
16. Reconnect the negative battery cable to the battery.
17. Install motorcycle seat.
18. Test Custom Dynamics® Luggage Rack LED Light Bar for proper operation.

